



Manufacturer

VEM motors GmbH
Carl-Friedrich-Gauß-Straße 1

Customer

Deuchi
To offer: 120412-P-0291

D-38855 Wernigerode

Three-phase motors with squirrel cage rotor, standard motors
Housing grey cast iron

| Type | IE2-WE2R 160 M4 KV HW | | |
|------------------------------------|------------------------------|-----------------------|------|
| Design output | | 11 | |
| Design torque | (Nm) | 71 | |
| Class IE | (-) | IE2-90,3% | |
| Efficiency determination | | EN 60034-2-1 | |
| Duty type | | S1 | |
| Design frequency | (Hz) | 50 | |
| Design speed | [rpm] | 1470 | |
| Voltage | (V) | 230/400 | |
| Connection | (-) | D | Y |
| Current | (A) | 39.1 | 22.5 |
| Relative pull-in current | (-) | 7,8 | |
| Relative starting torque | (-) | 2,4 | |
| Relative pull-out torque | (-) | 3,9 | |
| Efficiency100/75/50 % | (%) | 90,3 / 90,3 / 88,9 | |
| Power factor | (-) | 0,78 | |
| Th. cl. | | 155(F) | |
| Coolant temperature | (°C) | 40°C | |
| Altitude above sea level | (m) | 1000m | |
| Degree of protection | | IP55 | |
| Moment of inertia | (kgm ²) | 0,043 | |
| Motor weight | (kg) | 125 | |
| Bearing, D-side | | 6309 ZZ C3 | |
| Bearing, N-side | | 6308 ZZ C3 | |
| Relubrication interval | (h) | | |
| Grease type | | Klüberquiet BQ 72-72 | |
| Grease amount | (g) | | |
| Special details to bearings 1 | | none | |
| Special details to bearings 2 | | Fixed bearing, N-side | |
| Bearing monitoring | | none | |
| Winding protection | | none | |
| Winding protection 2 | | none | |
| Anti-condensation heating | | none | |
| Special versions 1 | | none | |
| Special versions 2 | | none | |
| Special versions 3 | | none | |
| Special versions 4 | | none | |
| Limit values to vibration velocity | | Class A | |
| Balancing with half key | | | |
| Colour system | | Moderate | |
| Colour shade | | RAL 7031 blue-grey | |
| Layer thickness | | 70 µm | |

Delivery conditions and/or official regulations: IEC / EN 60034-1

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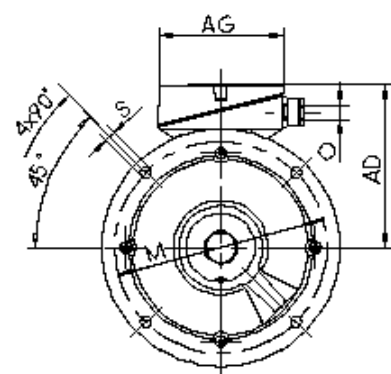
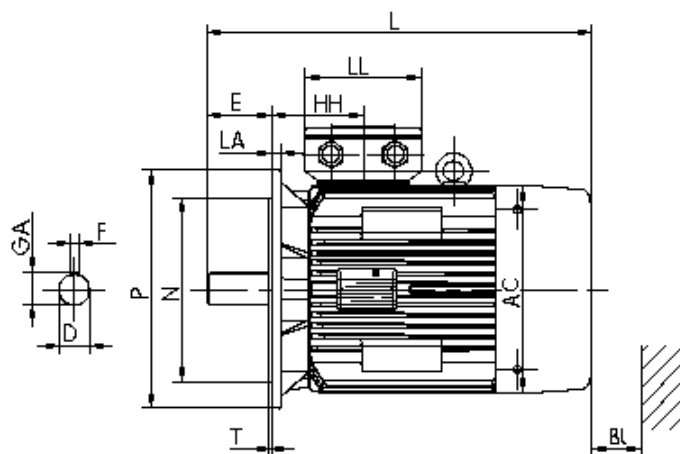
IE2-WE2R 160 M4 KV HW

Mounting position



Type of mounting: IMB5
Flange: FF 300[A 350]
Position of terminal box: on the top

Terminal box: KK 63 A
Cable gland O: 1 xM 40x1,5



Motor

| A | AA | AB | AC | AD | B | B' | BA | BA' | BB | C | CA | K | K' |
|---|----|----|-----|-----|---|----|----|-----|----|---|----|---|----|
| - | - | - | 258 | 214 | - | - | - | - | - | - | - | - | - |

Terminal box

| L | LC | H | HA | HD | HH | BI | AG | LL | BE | AH |
|-----|----|-----|----|----|-----|----|-----|-----|----|----|
| 609 | - | 160 | - | - | 114 | 35 | 193 | 167 | - | - |

Flange

| P | N | LA | M | T | S |
|-----|-----|----|-----|---|----|
| 350 | 250 | 13 | 300 | 5 | 18 |

Tolerances

| H | N | D | DA |
|------|----|----|----|
| -0,5 | h6 | k6 | k6 |

Shaft-DS

| D | E | GA | F | DB |
|----|-----|----|----|-----------------|
| 42 | 110 | 45 | 12 | DIN 332 DS- M16 |

Shaft-NS

| DA | EA | GC | FA |
|----|----|----|----|
| - | - | - | - |

DB...Centre hole

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